

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A spinal osteosynthesis system comprising at least one pedicular screw ~~(1)~~ with a head ~~(5)~~, a lug ~~(2)~~, first means ~~(10)~~ for fastening ~~the~~ a first end ~~(4)~~ of the lug ~~(2)~~ to the head ~~(5)~~ of the pedicular screw, a plate ~~(6)~~ and second means ~~(20)~~ for fixing the plate ~~(6)~~ to ~~the~~ a second end ~~(7)~~ of the lug ~~(2)~~, ~~characterized by the fact that~~ said first means ~~(10)~~ for fastening the first end ~~(4)~~ of the lug onto the pedicular screw head ~~(5)~~ comprises:

- a first portion ~~(11)~~ of hemispherical shape secured to the head ~~(5)~~ of the pedicular screw ~~(1)~~;

- a second portion ~~(12)~~ of hemispherical shape secured to the first end ~~(4)~~ of the lug ~~(2)~~, ~~this~~ said second hemispherical portion ~~(12)~~ being complementary to the first hemispherical portion ~~(11)~~; and

- fastener means ~~(13)~~ for fastening together the first and second hemispherical portions ~~(11, 12)~~ ~~when they~~ to cooperate one in the other with a common first center of curvature ~~(14)~~, said fastener means for fastening together the first and second hemispherical portions comprising a fastening screw ~~(30)~~ made up of a threaded shank ~~(31)~~ and a screwing head ~~(32)~~, and means for

assembling said fastening screw ~~(30)~~ in cooperation with the ~~two~~
first and second hemispherical portions ~~(11, 12, 23, 24)~~ so as to
sandwich one of the ~~two~~ first and second hemispherical portions
between the other ~~portion~~ of the first and second hemispherical
portions and the screwing head ~~(32)~~, said ~~last~~ means for
assembling the fastening screw are ~~constituted by the fact~~
configured so that the threaded shank ~~(31)~~ is secured to the one
hemispherical portion sandwiching the other hemispherical portion
and goes through ~~it~~ said other hemispherical portion via a hole
~~(40)~~ of section greater than that of said threaded shank ~~(31)~~,
the screwing head ~~(32)~~ being screwed onto said threaded shank
~~(31)~~, the ~~two~~ faces ~~(41, 42)~~ of the screwing head ~~(32)~~ and of ~~the~~
a hemispherical portion that ~~come~~ comes into contact with ~~each~~
~~other~~ the screwing head being of complementary hemispherical
shapes and with centers of curvature that coincide substantially
with the centers of curvature ~~(14, 26)~~ of the hemispherical
portions ~~cooperating one in the other,~~ and

~~by the fact that~~ the second fastener means ~~(20)~~ for
fastening the plate ~~(6)~~ onto the second end ~~(7)~~ of the lug ~~(2)~~
comprise:

- a third portion ~~(23)~~ of hemispherical shape secured
to the plate ~~(6)~~,

- a fourth portion ~~(24)~~ of hemispherical shape secured
to the second end ~~(7)~~ of the lug ~~(2)~~, ~~this~~ said fourth

hemispherical portion ~~(24)~~ being complementary to the third hemispherical portion ~~(23)~~, and

- fastener means ~~(25)~~ for fastening together the third and fourth hemispherical portions ~~(23, 24)~~ ~~when they~~ to cooperate one in the other with a common second center of curvature ~~(26)~~.

2-3. (canceled)

4. (currently amended) [[A]] The system according to claim 1, ~~characterized by the fact that wherein~~ the first and second hemispherical portions ~~(11, 12)~~ ~~being~~ are respectively convex and concave, and the ~~two~~ faces ~~(41, 42)~~ of the screwing head ~~(42)~~ and of the hemispherical portion that come into contact with ~~each other~~ the screwing head are respectively concave and convex.

5. (canceled).

6. (currently amended) [[A]] The system according to claim [[5]] 1, ~~characterized by the fact that wherein~~ the third and fourth hemispherical portions ~~(23, 24)~~ ~~being~~ are respectively convex and concave, the faces ~~(42, 42)~~ of the screwing head ~~(32)~~ and of the portion of hemispherical shape that come into contact with ~~each other~~ of the fastener means for fastening together the

third and fourth hemispherical portions are respectively convex
and concave.